

FIG. 1 is a block diagram of a network system 10. The system 10 includes a network 12, a router 35, a gateway 45, a gateway 55, a PSTN 50, a controller 40, a base station 37, storage 22, software 24, and a plurality of devices 15(1), 15(n), 20(m), 20(1), 25(1), and 25(p).

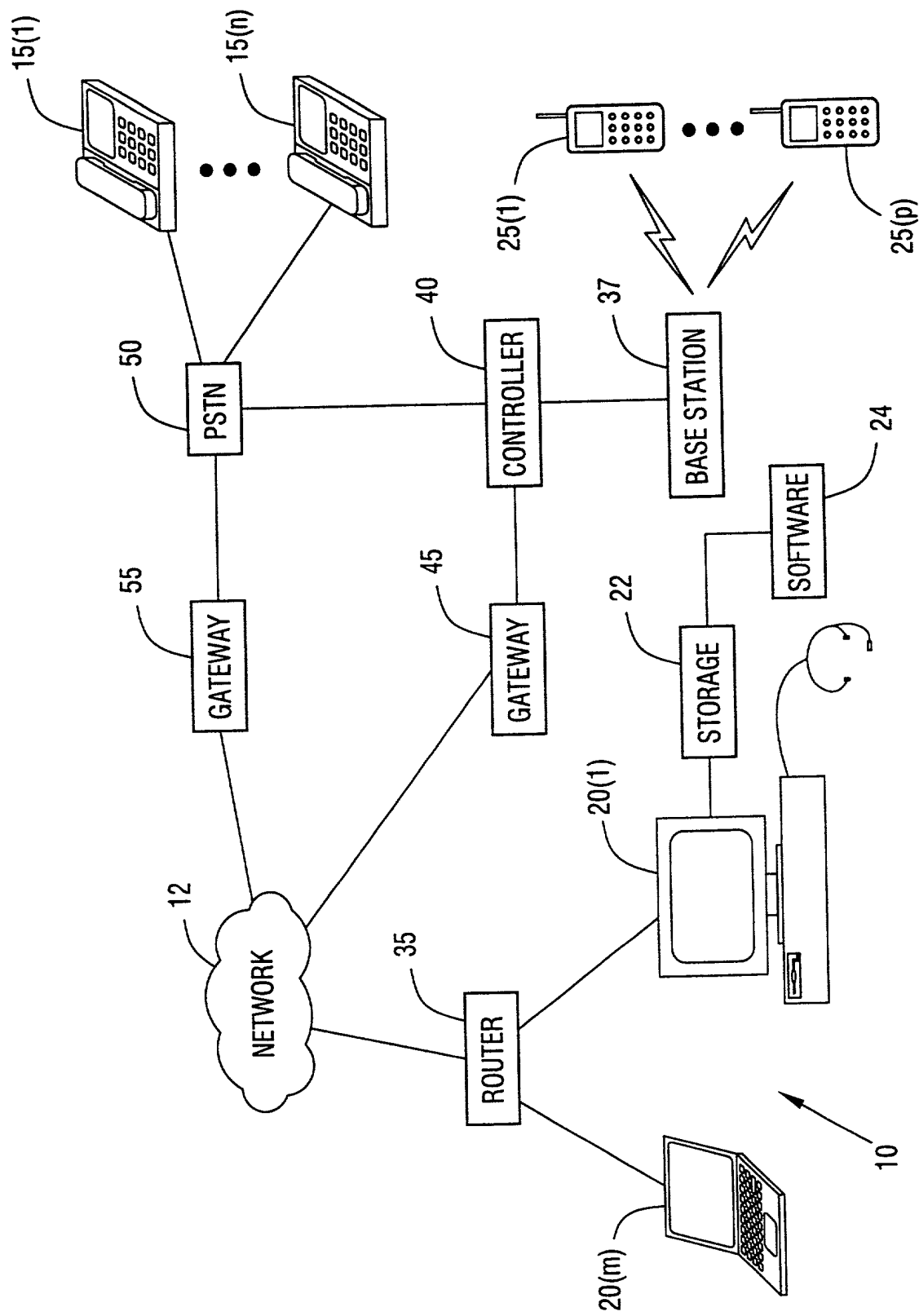
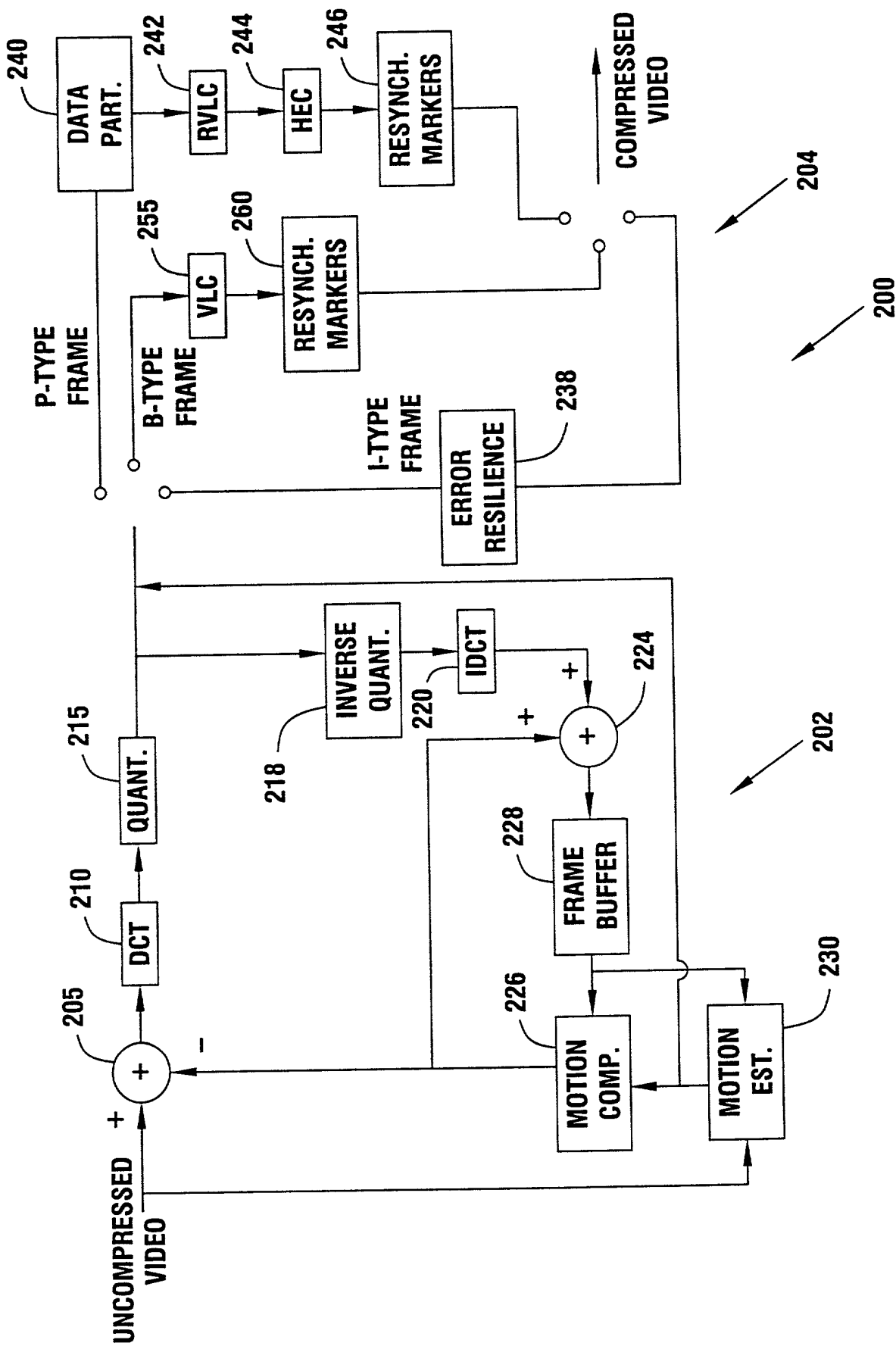


FIG. 1



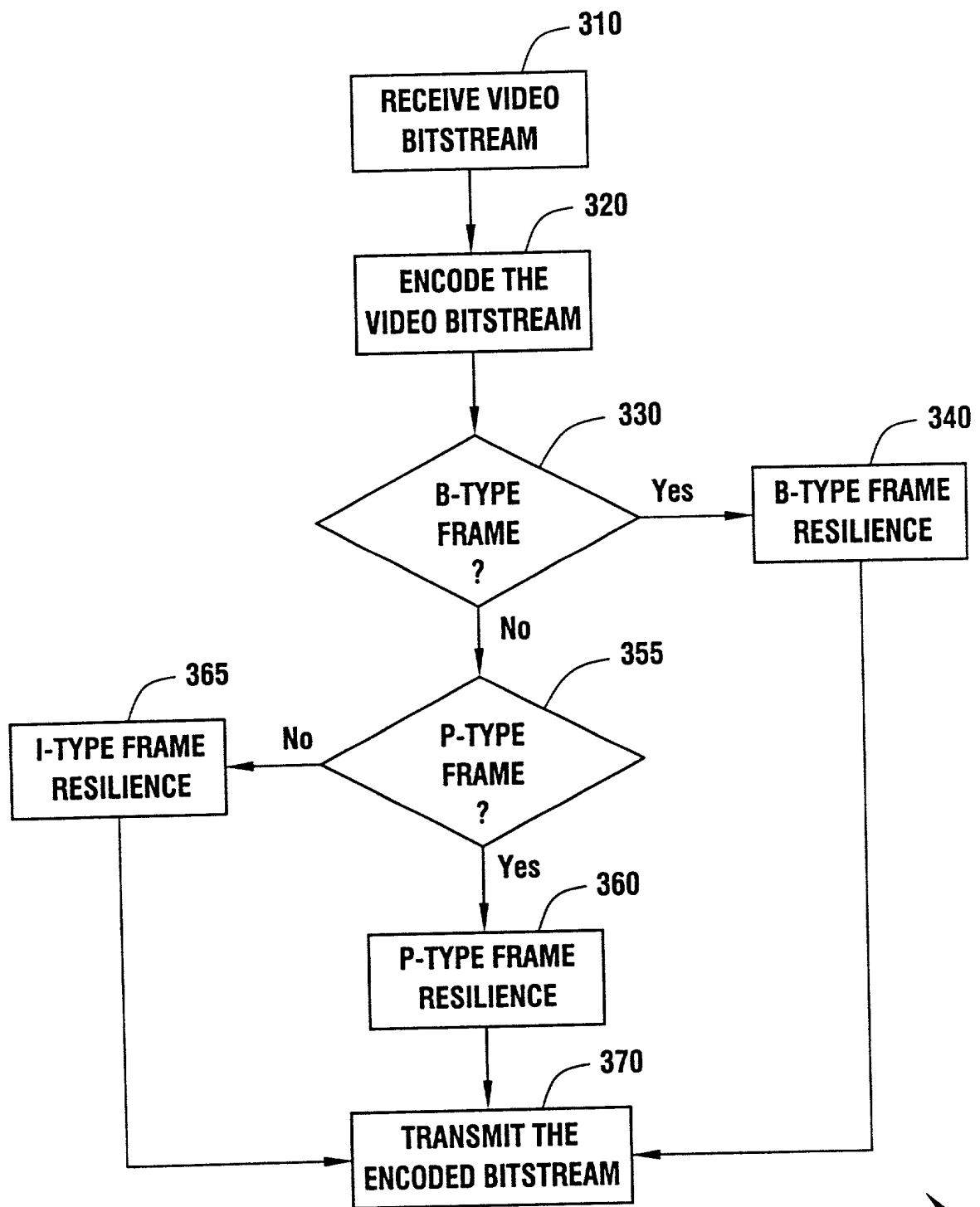


FIG. 3

FIG. 4 is a block diagram of a video decoding system 400. The system 400 receives compressed video 410 and outputs uncompressed video 480. The compressed video 410 is split into P-type frames 425, B-type frames 435, and I-type frames 445. The P-type frames 425 are processed by an RVLD block 425 and an error concealment block 430. The B-type frames 435 are processed by an error concealment block 440. The I-type frames 445 are processed by an error concealment block 445. The outputs of the error concealment blocks 430, 440, and 445 are combined in a summing junction 460. The output of the summing junction 460 is processed by an inverse quantization block 465 and an IDCT block 465. The output of the IDCT block 465 is combined with motion vectors 475 in a summing junction 480. The output of the summing junction 480 is the uncompressed video 480. The motion vectors 475 are also used by a motion compensation block 470 and a frame buffer 475. The frame buffer 475 stores the uncompressed video 480 for use by the motion compensation block 470.

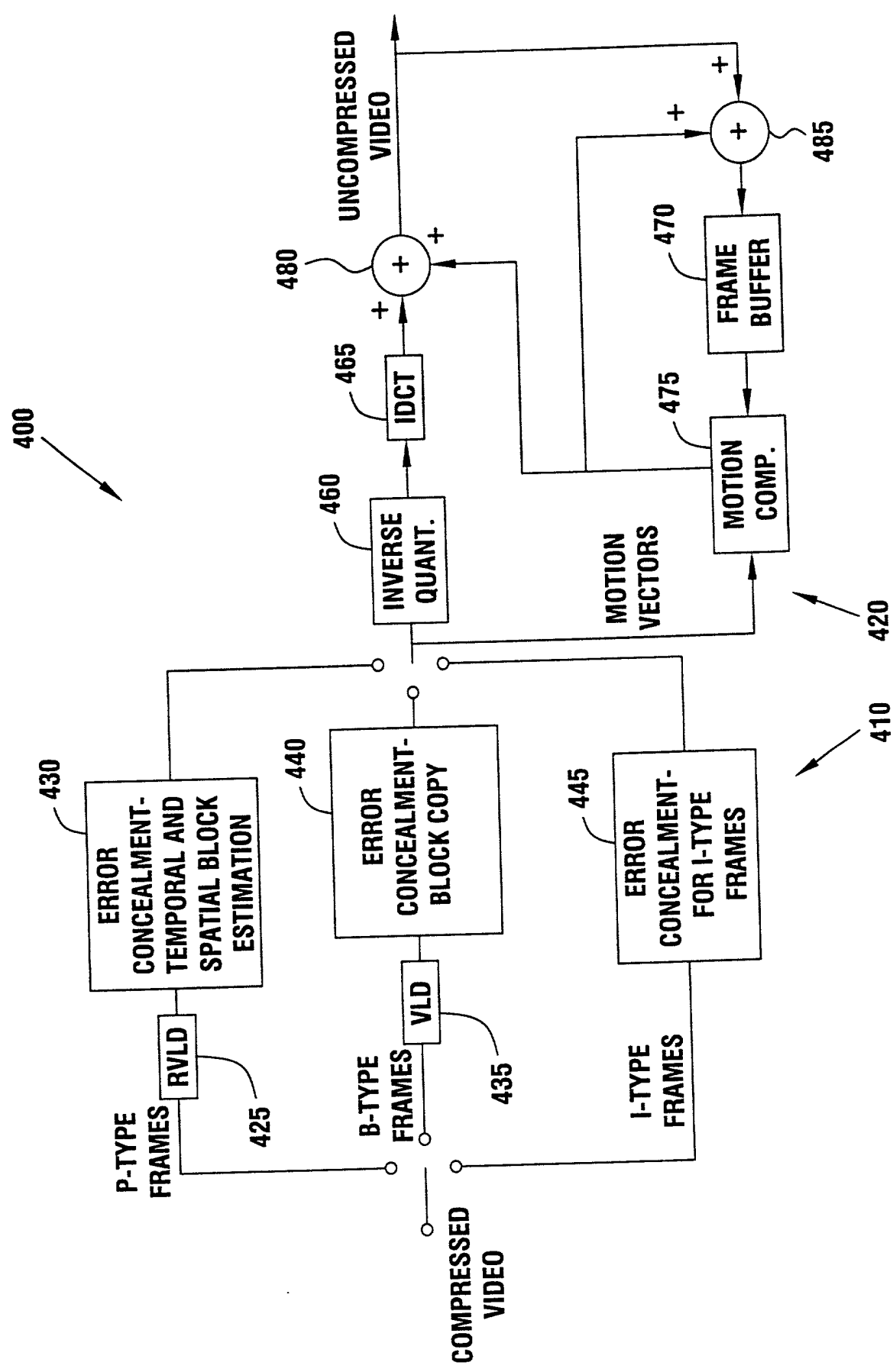


FIG. 4

FIG. 5 is a block diagram of a video processing system 500. The system 500 includes an error concealment block 510 and an error resilience block 520. The error concealment block 510 receives compressed video as input and outputs compressed video to the error resilience block 520. The error resilience block 520 also receives motion vectors as input and outputs compressed video. The error concealment block 510 and the error resilience block 520 are connected by a feedback loop that provides motion vectors to the error resilience block 520.

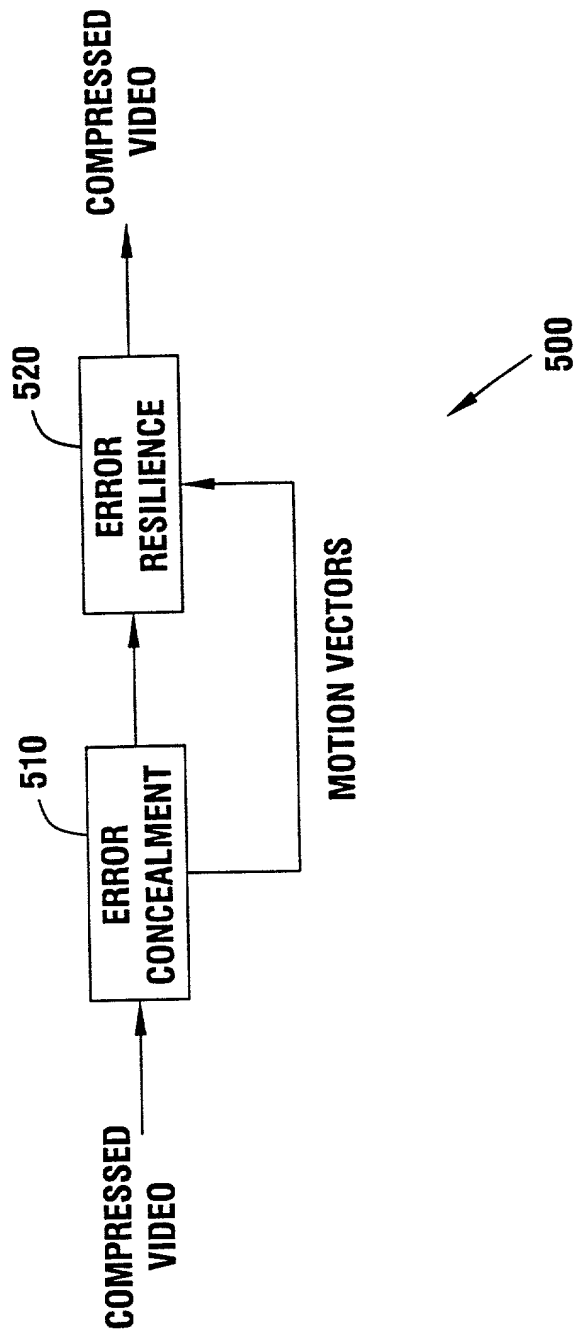


FIG. 5

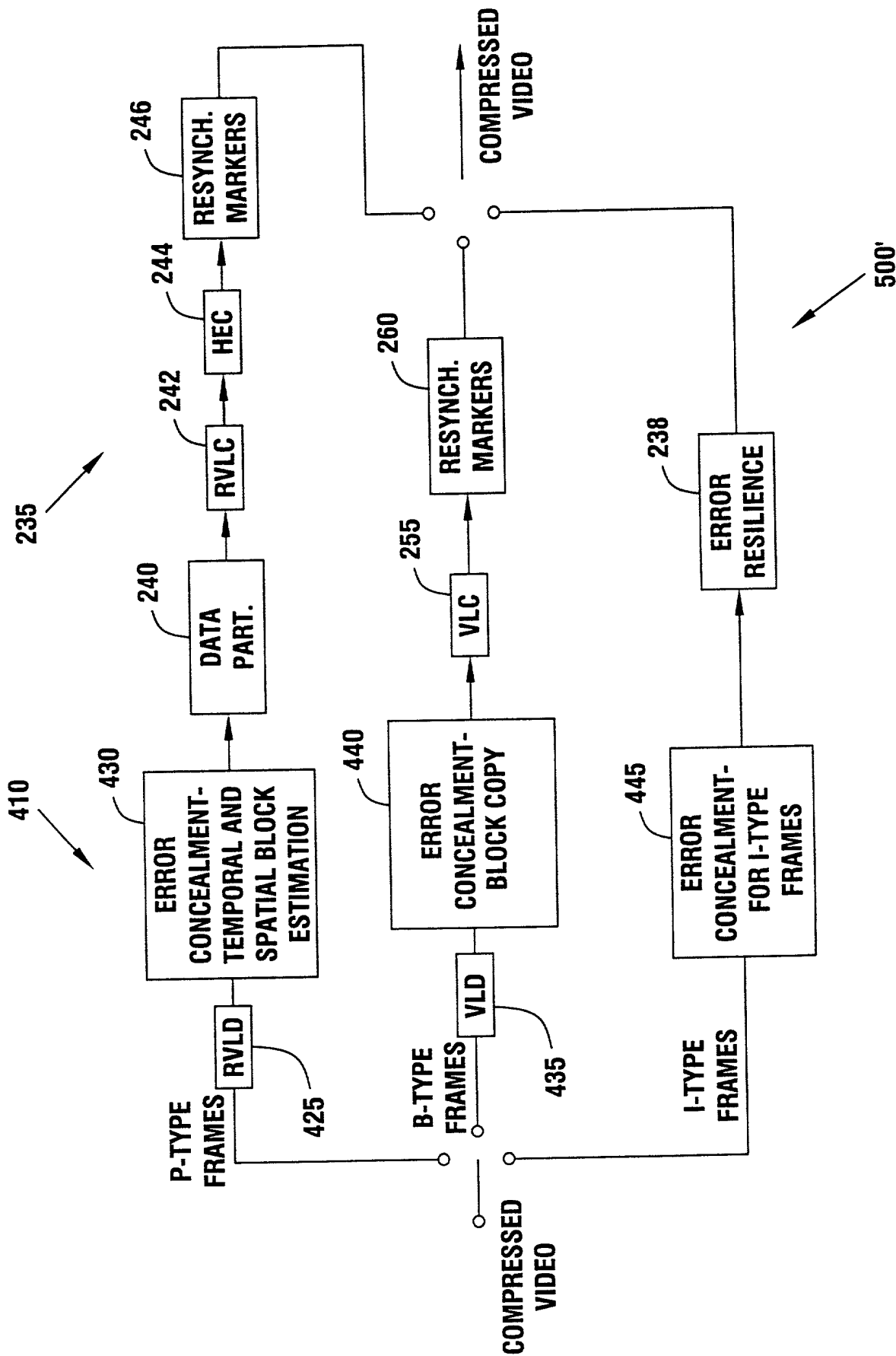


FIG. 6

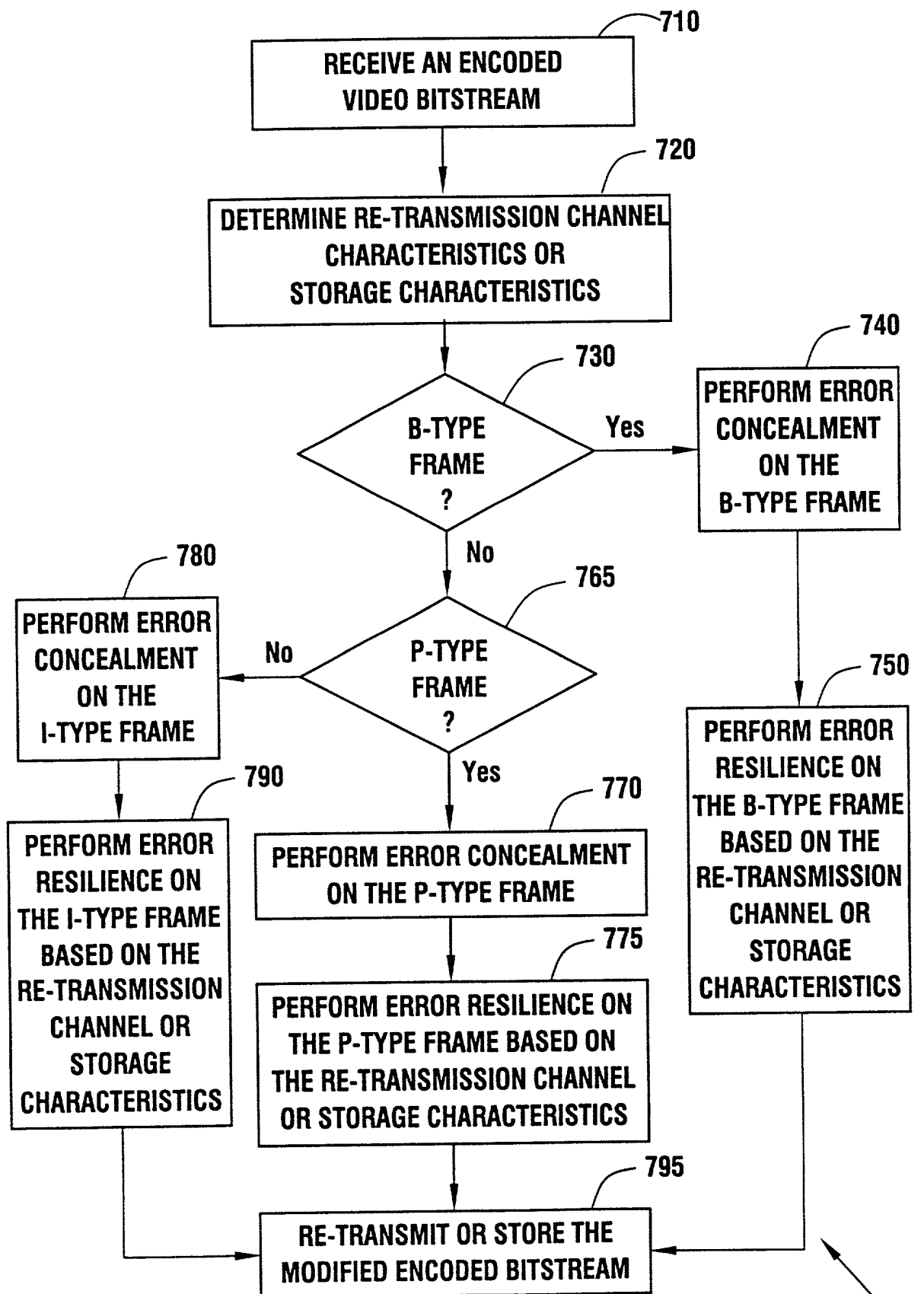


FIG. 7